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INTERLEAVED FINITE IMPULSE RESPONSE FILTER

ABSTRACT

A non-recursive filter for receiving samples and generating a filtered signal, the filter comprises a plurality of successive partial summation units, each partial summation unit having multiplier for multiplying an undelayed state of each of the samples, and an adder for adding multiplied samples; and a plurality of delay elements each coupled to the adder for receiving added samples and for providing a delayed output of the added samples to a successive partial summation unit.